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AMENDMENTS TO THE CLAIMS:

1. (Withdrawn) A method for scavenging radicals in a substance comprising

providing said substance with urocanic acid or a functional equivalent thereof.

2. (Withdrawn) A method according to claim 1 wherein urocanic acid is trans-

urocanic acid.

3. (Withdrawn) A method according to claim 1 or 2 wherein said substance is

aqueous.

4. (Withdrawn) A method according to any one of claims 1 to 3 wherein said

substance comprises a food product or cosmetic product.

5. (Withdrawn) Use of urocanic acid as antioxidant or radical scavenger.

6. (Withdrawn) Use according to claim 5 wherein urocanic acid is transurocanic

acid.

7. (Withdrawn) Use according to claims 5 or 6 in aqueous solutions.

8. (Withdrawn) Use according to claim 7 in preparing a food product or cosmetic Applicant: Arthur KAMMEIJER et al.

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product.

9. (Withdrawn) Use of urocanic acid for the preparation of a pharmaceutical

composition.

10. (Withdrawn) Use according to claim 9 for the preparation of a pharmaceutical

composition for the treatment of oxidative stress.

11. (Withdrawn) Use of an oxidation product of urocanic acid for the preparation of a

pharmaceutical composition.

12. (Withdrawn) Use according to claim 11 wherein said product is an photo-

oxidation product.

13. (Withdrawn) Use according to claim 11 or 12 for the preparation of a

pharmaceutical composition for modulating the immune response of an animal.

14. (Withdrawn) Use according to claim 11, 12 or 13 wherein said product is an

imidazole such as imidazole-4-carboxyaldehyde, imidazole-4-acetic acid or imidazole-4-

carboxylic acid.

15. (Withdrawn) A pharmaceutical composition comprising urocanic acid or

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functional equivalent and/or an oxidation product thereof.

16. (Withdrawn) A method for the treatment of oxidative stress of an animal

comprising treating said animal with a pharmaceutical composition comprising urocanic

acid or functional equivalent thereof.

17. (Currently Amended) A method to modulate an immune response of an animal in

need thereof, comprising treating said providing the animal with a pharmaceutical

composition comprising a product of oxidation of urocanic acid with a reactive oxygen

species or a salt thereof an oxidation product of urocanic acid.

18. (Currently Amended) A method according to claim 17 wherein said the product is

an imidazole such as imidazole-4-carboxyaldehyde, imidazole4-acetic acid or

imidazole-4-carboxylic acid.

19. (Canceled)

20. (New) A method according to claim 18 wherein the imidazole is one or more of

imidazole-4-carboxaldehyde, imidazole-4-acetic acid, imidazole-4-carboxylic acid, a salt

of one of said imidazoles, or a combination thereof.

21. (New) A method according to claim 17, wherein the animal is a human.